

**MATERIAL SAFETY DATA SHEET**

Printed: 9/29/08

LUPEROX 101XL45**PRODUCT IDENTIFICATION AND USE**

MANUFACTURER: ARKEMA CANADA INC.
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PRODUCT IDENTIFIER: LUPEROX 101XL45

PRODUCT CODE: LU054

PRODUCT USE: POLYMERIZATION INITIATOR

WHMIS CLASSIFICATION: C - OXIDIZING MATERIAL.

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
2,5-DIMETHYL-2,5-DI(T-BUTYLPEROXY) HEXANE	30-60	78-63-7	NE

LD50: >2,000 MG/KG (ORAL-RATS)
LD50: 4,100 MG/KG (DERMAL-RABBITS)

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):
CALCIUM CARBONATE, SILICA GEL.

PHYSICAL DATA

PHYSICAL STATE: POWDER

ODOUR AND APPEARANCE: WHITE, FREE-FLOWING POWDER, MENTHOL ODOUR.

ODOUR THRESHOLD: NE

SPECIFIC GRAVITY/DENSITY (G/ML): NE

VAPOUR PRESSURE: NE

VAPOUR DENSITY (AIR=1): NE

VOLATILITY/VOL(%): NE

SOLUBILITY IN H2O: INSOLUBLE

EVAPORATION RATE: NE

BOILING POINT: NA

FREEZING POINT: NA

PH: NA

LOG KOW: NE

SHIPPING INFORMATION

UN 3108, 5.2, II, ORGANIC PEROXIDE TYPE E, SOLID [2-5-DIMETHYL-2,5-DI-(TERT-BUTYLPEROXY)HEXANE, <=77%]

FIRE AND EXPLOSION HAZARD

FLAMMABILITY: NOT FLAMMABLE.

CONDITIONS: WILL BURN AT ELEVATED TEMPERATURES.

MEANS OF EXTINCTION: WATER SPRAY, FOAM OR DRY CHEMICAL

FLASHPOINT: NA

UPPER EXPLOSION LIMIT (% V): NE

LOWER EXPLOSION LIMIT (%V): NE

AUTO-IGNITION TEMPERATURE: 82 °C / 180°F (100 LB CTN.)
(SELF ACCELERATING DECOMPOSITION TEMPERATURE).

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON.

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

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EXPLOSION DATA: CONTAMINATION, TEMPERATURE – CAN DECOMPOSE WITH FORCE IF CONFINED DURING EXPOSURE TO FIRE. IF LARGE AMOUNT IS INVOLVED, EVACUATE AREA AND FIGHT FIRE FROM SAFE DISTANCE. COOL SURROUNDING MATERIAL WITH WATER.

SENSITIVITY TO IMPACT: NO
SENSITIVITY TO STATIC DISCHARGE: NO

REACTIVITY

CHEMICAL STABILITY: UNSTABLE
INCOMPATIBLE MATERIALS: STRONG ACIDS, OXIDIZERS.
CONDITIONS OF REACTIVITY: EXCESSIVE/HIGH HEAT AND CONTAMINATION WITH OTHER CHEMICALS.
HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION PRODUCTS ARE FLAMMABLE.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

SKIN CONTACT: MAY CAUSE SLIGHT IRRITATION.
SKIN ABSORPTION: NE
EYE: MAY CAUSE SLIGHT IRRITATION.
INGESTION: NE
INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

ACUTE OVER EXPOSURE EFFECTS: NE
CHRONIC OVER EXPOSURE EFFECTS: NE
SENSITIZATION: DOES NOT MEET WHMIS CRITERIA.
CARCINOGENICITY: DOES NOT MEET WHMIS CRITERIA.
TERATOGENICITY: DOES NOT MEET WHMIS CRITERIA.
MUTAGENICITY: DOES NOT MEET WHMIS CRITERIA.
REPRODUCTIVE TOXICITY: DOES NOT MEET WHMIS CRITERIA.

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: WEAR SAFETY GLASSES AND USE IMPERVIOUS GLOVES. AN NIOSH APPROVED DUST RESPIRATOR IS ADVISED.

SPECIFIC ENGINEERING CONTROLS: LOCAL EXHAUST IS RECOMMENDED.
LEAK AND SPILL PROCEDURES: SWEEP OR SCOOP UP AND PLACE IN A CLOSED CONTAINER.

WASTE DISPOSAL: HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.

HANDLING PROCEDURES AND EQUIPMENT: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.

STORAGE REQUIREMENTS: KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. STORE BELOW 38°C / 100°F TO MAINTAIN STABILITY AND ACTIVE OXYGEN CONTENT.

FIRST AID MEASURES

EYE FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

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SKIN WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

INGESTION DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

PREPARATION DATE	
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PREPARED BY:	TECHNICAL DEPARTMENT.
PHONE NUMBER OF PREPARER:	905-827-9841
DATE PREPARED (MM/DD/YY):	09/25/92
DATE REVISED (MM/DD/YY):	09/22/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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